

CLAIMS

1 ~~Sub A2~~ 1. A wellbore completion tool assembly, comprising:  
2 a perforated body made of an expandable material;  
3 a filter assembly mounted over said perforated body so as to  
4 cover the perforations in said body;  
5 a tool acting on said body to expand it and said filter mounted  
6 around it to allow said filter to move toward the surface defining the wellbore.

2 ~~Sub C2~~ 2. The assembly of claim 1, further comprising:  
2 a protective cover for said filter assembly which is removable  
3 downhole.

1 ~~2.3~~ 3. The assembly of claim 1, wherein:  
2 said expandable material is corrugated to facilitate insertion into  
3 the wellbore, whereupon said tool expands said corrugations to move said  
4 filter toward the surface defining the wellbore.

1 ~~3.4~~ 4. The assembly of claim ~~3~~<sup>2</sup>, wherein:  
2 said body assumes a rounded shape after expansion by said tool.

1 ~~Sub A3~~ 5. The assembly of claim 1, further comprising:  
2 a reinforcement between said body and said filter assembly to  
3 support said filter assembly in the area of said body perforations.

1 6. The assembly of claim 1, wherein:  
2 said perforated body comprises a segment of a coiled tubing  
3 string.

a 1 ~~8~~ 7. The assembly of claim ~~6~~ 1, wherein:  
2 said segment has an open area in the range of up to about 40%.

a 1 ~~9~~ 8. The assembly of claim ~~6~~ 1, wherein:  
2 said segment is flexible.

a 1 ~~10~~ 9. The assembly of claim ~~6~~ 1, wherein:  
2 said segment is made from a flat member which is rolled into a  
3 tube with a sealed longitudinal joint.

a 1 ~~11~~ 10. The assembly of claim ~~6~~ 1, wherein:  
2 said segment is made from a flat member and rolled spirally to  
3 a desired diameter having its spiral seam sealed.

1 ~~12~~ 11. The assembly of claim ~~3~~ 2, wherein:  
2 said perforated body comprises a segment of a coiled tubing  
3 string.

1 ~~13~~ 12. The assembly of claim ~~11~~ 4, further comprising:  
2 a reinforcement between said body and said filter assembly to  
3 support said filter assembly in the area of said body perforations.

1 ~~13~~<sup>5</sup> The assembly of claim ~~12~~<sup>5</sup>, further comprising:  
2 a protective cover for said filter assembly which is removable  
3 downhole.

1 ~~Sub 14~~<sup>B3</sup> 14. A method of well completion, comprising:  
2 running in a tubular body with perforations and a filter assembly  
3 mounted over the perforations on the body;  
4 expanding the tubular body downhole.

1 ~~14~~<sup>13</sup> 15. The method of claim ~~14~~<sup>13</sup>, further comprising:  
2 providing a protective covering over the filter assembly for run-in;  
3 removing the protective covering downhole.

1 ~~15~~<sup>13</sup> 16. The method of claim ~~14~~<sup>13</sup>, further comprising:  
2 corrugating said tubular body;  
3 altering said corrugating into a rounded shape by virtue of said  
4 expanding.

1 17. The method of claim 14, further comprising:  
2 engaging the wellbore with the filter assembly due to said ex-  
3 panding;  
4 using a segment of coiled tubing as said tubular body.

